


```

; SEQ ID NO: 29138
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-29138

. Query Match 6.9%; Score 34; DB 4; Length 337;
. Best Local Similarity 50.6%; Pred. No. 0.3;
. Matches 82; Conservative 0; Mismatches 80; Indels 0; Gaps 0;
. Gaps 0;

Qy      329 CCAGGGCATGAAACCCCTTTGGTGGAGAGTATCCTCAATGCTAGATTCTATAAC 388
Db      13 CAAGGGCACCTCGGTTTCGGTTACAGCTAAGCTTAATTTATTATT 72

Qy      389 TCTTGGATCCATCTCTATGGTTCAAGTGTATAATTAGAGATGCGATGATAAA 448
Db      73 ATTATAATTCTTACATTAACCTAACCTTAAACTCAACATTAACTGAAATGAAATTGG 132

Qy      449 TAAATAGTAAAGCTACGGTATCACATGGATGATTTYA 490
Db      133 TACAGTCTGAAAATATGCGTTTATAGAACGGATAATTAA 174

RESULT 3
US-09-270-767-13217
; Sequence 13217, Application US/09270767
; Patent No. 6703492
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 13217
; LENGTH: 1133
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-13217

. Query Match 6.9%; Score 34; DB 4; Length 1133;
. Best Local Similarity 50.6%; Pred. No. 0.58;
. Matches 82; Conservative 0; Mismatches 80; Indels 0; Gaps 0;
. Gaps 0;

Qy      329 CCAGGGCATGAAACCCCTTTGGTGGAGAGTATCCTCAATGCTAGATTCTATAAC 388
Db      13 CAAGGGCACCTCGGTTTCGGTTACAGCTAAGCTTAATTTATTATT 72

Qy      389 TCTTGGATCCATCTCTATGGTTCAAGTGTATAATTAGAGATGCGATGATAAA 448
Db      73 ATTATAATTCTTACATTAACCTAACCTTAAACTCAACATTAACTGAAATGAAATTGG 132

Qy      449 TAAATAGTAAAGCTACGGTATCACATGGATGATTTYA 490
Db      133 TACAGTCTGAAAATATGCGTTTATAGAACGGATAATTAA 174

RESULT 4
US-08-961-527-59/C
; Sequence 59, Application US/08961527
; Patent No. 6420135
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 391
; CORRESPONDENCE ADDRESS:
; ADDRESS: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
;
```

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
 COMPUTER: HP Vectra 486/33
 OPERATING SYSTEM: MSDOS version 6.2
 SOFTWARE: ASCII Text

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/961,527
 FILING DATE: 4/24
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: ;
 FILING DATE: ;
 ATTORNEY/AGENT INFORMATION:
 NAME: Brookes, A. Anders
 REGISTRATION NUMBER: 34,373
 RELEVANT DOCKET NUMBER: PB340P1

TELECOMMUNICATION INFORMATION:
 TELEPHONE: (301) 309-8504
 TELEFAX: (301) 309-8512
 INFORMATION FOR SEQ ID NO: 59:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 9223 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 US-08-961-527-59

Query Match 6.8%; Score 33.4; DB 4; Length 62;
 Best Local Similarity 52.6%; Pred. No. 3;
 Matches 70; Conservative 1; Mismatches 62;

Qy	360 TATCTTCATCCATGGCTAGATTCATAACTCTGGATCCATC
D b	4971 TATTTCGAAATATCATAGTGTCTCATCTGAATTT
Qy	420 TATAATTAGAGATGATGGATAATAATAAATTAATAAA
D b	4911 TCCAATTAGAAATAGCTTGATCATAGAACAGGTGAT
Qy	480 GATGATTATTYACC 492
D b	4851 TGTTGAAGCTTAC 4839

RESULT 5
 US-09-596-002-32/c
 ; Sequence 32, Application US/09596002
 ; Patent No. 662636
 ; GENERAL INFORMATION:
 ; APPLICANT: Lagace, Robert, E.
 ; APPLICANT: Patterson, Chandra
 ; APPLICANT: Berg, Kim, L.
 ; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES OF MORAXELL
 ; FILE REFERENCE: PM-008-4 US
 ; CURRENT APPLICATION NUMBER: US/09/596,002
 ; CURRENT FILING DATE: 2000-06-16
 ; PRIOR APPLICATION NUMBER: 60/140,121
 ; PRIOR FILING DATE: 1999-06-18
 ; NUMBER OF SEQ ID NOS: 41
 ; SOFTWARE: PERL Program
 ; SEQ ID NO: 32
 ; LENGTH: 62999
 ; TYPE: DNA
 ; ORGANISM: M. cattarrhalis
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; OTHER INFORMATION: Incyte template ID No. 6632636 32
 ; PUBLICATION INFORMATION:
 US-09-596-002-32

Query Match 6.7%; Score 33; DB 4; Length 55%;
 Best Local Similarity 52%; Pred. No. 10;
 Matches 69; Conservative 0;
 Mismatches 69;

RESULT 6
 US-09-248-796A-4423
 Query Match 6.5%; Score 32.2; DB 4; Length 1137;
 Best Local Similarity 56.0%; Pred. No. 2.3;
 Matches 61; Conservative 0; Mismatches 0;
 Gaps 0;
 Qy 327 TGCAGGGCATGGAAACCTTTGGAAAGAGTATCTTCATCCAATGCTAGATTICATA 386
 Db 57540 TGCCAAAGAAATTGGAGCTAACGGTTCGCGGTGCTATGGCTTGTTGAT 57481
 Qy 387 ACTTGGATCCATCTTCAAGTCTATTAATAGGAGATCAGGATAT 446
 Db 57480 AATTTGCTAAACCTGAGATTCGCTGGCTGAGTCATGAACCTGGTGTGAT 57421
 Qy 447 AATAATAA 455
 Db 57420 GATCCAAA 57412

RESULT 6
 US-09-248-796A-4423/c
 Sequence 13663, Application US/09248796A
 Patent No. 6747137
 GENERAL INFORMATION:
 APPLICANT: Keith Weinstock et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
 FILE REFERENCE: 107196-132
 CURRENT APPLICATION NUMBER: US/09/248,796A
 PRIORITY FILING DATE: 1998-02-12
 PRIOR APPLICATION NUMBER: US 60/074,725
 PRIORITY FILING DATE: 1998-02-13
 PRIOR APPLICATION NUMBER: US 60/096,409
 PRIORITY FILING DATE: 1998-08-13
 NUMBER OF SEQ ID NOS: 28208
 SEQ ID NO 13663
 LENGTH: 972
 TYPE: DNA
 ORGANISM: Candida albicans
 US-09-248-796A-13663

Query Match 6.6%; Score 32.4; DB 4; Length 972;
 Best Local Similarity 48.9%; Pred. No. 1.8;
 Matches 87; Conservative 0; Mismatches 91; Indels 0; Gaps 0;
 Qy 288 TGGATGCGTGGTGTGCAACACCGGTTGGGCCAGGGATGCAACCTT 347
 Db 751 TTGATTCACTGGTAGAAACAACGATGTPAAAGTTGTGTGTAACTCCAGACATT 692
 Qy 348 TGGTTCGAAGATCTTCACTCAATGCTAGATTCAATACTCTGGATCCATCTAT 407
 Db 691 TACCACTGGATGGATTCCACCAATGATAAGTAGACGACACTGTGTCAGTAAT 632
 Qy 408 GTTTTCAAGTGTATAATAGAGATGATGGATATAAAATAGTAAAGCTA 465
 Db 631 TTGATTCAATGCTAGATTGGTGTGACTAGATTGCTTAAAGATGAACTATA 574

RESULT 7
 US-09-248-796A-4423/c
 Sequence 4423, Application US/09248796A
 Patent No. 6747137
 GENERAL INFORMATION:
 APPLICANT: Keith Weinstock et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
 FILE REFERENCE: 107196-132
 CURRENT FILING DATE: 1999-02-12
 PRIOR APPLICATION NUMBER: US 60/074,725
 PRIORITY FILING DATE: 1998-02-13
 PRIOR APPLICATION NUMBER: US 60/096,409
 PRIORITY FILING DATE: 1998-08-13
 NUMBER OF SEQ ID NOS: 28208
 SEQ ID NO 4423
 LENGTH: 1137
 TYPE: DNA
 ORGANISM: Candida albicans

RESULT 8
 US-09-134-001C-1936/c
 Sequence 13663, Application US/09134001C
 Patent No. 6380370
 GENERAL INFORMATION:
 APPLICANT: Lynn Douette-Stamm et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
 FILE REFERENCE: GTC-007
 CURRENT APPLICATION NUMBER: US/09/134,001C
 CURRENT FILING DATE: 1998-08-13
 PRIOR APPLICATION NUMBER: US 60/064,964
 PRIORITY FILING DATE: 1997-11-08
 PRIOR APPLICATION NUMBER: US 60/055,779
 PRIORITY FILING DATE: 1997-08-14
 NUMBER OF SEQ ID NOS: 5674
 SEQ ID NO 1936
 LENGTH: 1422
 TYPE: DNA
 ORGANISM: Staphylococcus epidermidis
 US-09-134-001C-1936

Query Match 6.5%; Score 32.2; DB 3; Length 1422;
 Best Local Similarity 57.4%; Pred. No. 2.6;
 Matches 58; Conservative 0; Mismatches 43; Indels 0; Gaps 0;
 Qy 371 ATGCTAGATTCAACTCTGGATCCAACTCTCATGTTTCAAGTGTATAATTAGAG 430
 Db 1232 ATTCTCTCTGTAAATTCTCAATAATATGTGGRAGATTAAATCTCTT 1173
 Qy 431 AGATGCTGGATATAATATAATAGTAAAGTAAAGCTACGGTAT 471
 Db 1172 AGATCAATAATAATAACTAGTAAAGCTCTGTCT 1132

RESULT 9
 US-09-540-236-398/c
 Sequence 398, Application US/09540236
 Patent No. 6673910
 GENERAL INFORMATION:
 APPLICANT: Gary L. Breton et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATA
 FILE REFERENCE: 2709.2005-001
 CURRENT APPLICATION NUMBER: US/09/540,236
 CURRENT FILING DATE: 2000-04-04
 NUMBER OF SEQ ID NOS: 3840
 SEQ ID NO 398
 LENGTH: 291
 TYPE: DNA
 ORGANISM: M. catarrhalis
 US-09-540-236-398

Query Match 6.5%; Score 32; DB 4; Length 291;
 Best Local Similarity 54.2%; Pred. No. 1.2;
 Matches 65; Conservative 0; Mismatches 55; Indels 0; Gaps 0;
 Qy 363 CTCTATCCAATGCTAGATTCTATCTGATCCATCTCTATGTTCAAGCTGTAT 422

RESULT 10
US-09-596-002-36/c

; Sequence 36, Application US/09596002

; GENERAL INFORMATION:

; APPLICANT: LaGrace, Robert, E.

; APPLICANT: Patterson, Chandra

; APPLICANT: Berg, Kim, L.

; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES OF MORAXELLA CATAARRHALIS GENOME

; FILE REFERENCE: PM-01008-4 US

; CURRENT APPLICATION NUMBER: US/09/596, 002

; CURRENT FILING DATE: 2000-06-16

; PRIOR APPLICATION NUMBER: 60/140, 121

; PRIOR FILING DATE: 1999-06-18

; NUMBER OF SEQ ID NOS: 41

; SOFTWARE: PERL Program

; SEQ ID NO: 36

; LENGTH: 92407

; TYPE: DNA

; ORGANISM: M. catarrhalis

; FEATURE: misc_feature

; NAME/KEY: misc_feature

; OTHER INFORMATION: Incyte template ID No. 6632636 36

; PUBLIC INFORMATION:

; US-09-596-002-36

Query Match 6.5%; Score 32; DB 4; Length 92407;
Best Local Similarity 54.2%; Pred. No. 31;
Matches 65; Conservative 0; Mismatches 55; Indels 0; Gaps 0;

Qy 363 CTTCATCCGAAATGGATTCTAAACTCTTGGATCCTCTTCAAGTTTCAGGTAT 422
Db 66073 CTCAAGGCCATTGTTGTTTATAAAACACGCTCTTAAGTTTGATGCGATG 66014

Qy 423 AATTAGAGAGATGCATGGATATAATAATAAGATAAAAGCTAACGGTATCACCAGTGAT 482
Db 66013 TTTCGGTGAATTGTGATATAATCAAAACATTAAGGAAAGGTGCCATGAT 65954

RESULT 11
US-09-734-674-3/C

; Sequence 3, Application US/09734674

; GENERAL INFORMATION:

; APPLICANT: WEI, Ming-Hui et al

; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,

; TITLE OF INVENTION: NUCLEARIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,

; FILE REFERENCE: C1001018

; CURRENT APPLICATION NUMBER: US/09/734, 674

; CURRENT FILING DATE: 2000-12-13

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO: 3

; LENGTH: 202001

; TYPE: DNA

; ORGANISM: Human

; FEATURE: misc_feature

; NAME/KEY: misc_feature

; LOCATION: (1) (202001)

; OTHER INFORMATION: n = A, T, C or G

Query Match 6.5%; Score 32; DB 4; Length 202001;

Best Local Similarity 56.7%; Pred. No. 48;

Matches 59; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

Qy 10 TTAGAGTCATACATACTCTCTCCACATTAGCATTTAGCTAACCTCTAGGCC 69
Db 150243 TTAGTGAATACTGATCTGCCCTCTAGATGATCTGAAATCCAAACCC 150184

Qy 70 ATGGCTTCACCAAGTTCTAGTCATTACTGTGATGAT 113
Db 150183 CTAGTTCTGAACTATATAACTAATAATTAAATAT 150140

RESULT 12
US-08-445-539-5

; Sequence 5, Application US/08845539

; GENERAL INFORMATION:

; APPLICANT: Bennett, Alan B.

; APPLICANT: Rose, Jocelyn K.C.

; TITLE OF INVENTION: Fruit-Specific and Ripening-Regulation

; TITLE OF INVENTION: Expansin Genes to Control Fruit Texture and Softening

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Townsend and Townsend and Crew LLP

; STREET: Two Embarcadero Center, Eighth Floor

; CITY: San Francisco

; STATE: California

; COUNTRY: USA

; ZIP: 94111-3824

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; ATTORNEY/AGENT INFORMATION:

; NAME: Bastian, Kevin L.

; REGISTRATION NUMBER: 34,774

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 576-0200

; TELEFAX: (415) 576-0300

; INFORMATION FOR SEQ ID NO: 5:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 537 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; MOLECULE TYPE: DNA (genomic)

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 1..537

; OTHER INFORMATION: /product= "melon CmEx1"

US-08-845-539-5

Query Match 6.5%; Score 31.8; DB 2; Length 537;

; Best Local Similarity 52.7%; Pred. No. 2;

; Matches 69; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

Qy 238 GGCTAGTACTTCAGTACACTGGACAACCTGCTCTCACACAGGTGGATGCGAT 297
Db 82 GGCTATGGCGTCAACAGCTGCTCTAGACTGCTTCTCAACATGGCTCAGCTGT 141

Qy 298 GGTTGGTGCACACAGGTGGTCAAGTCCAGGCAATCAACCCTTGGTGGAG 357
Db 142 GGTCGTGCTTGGATCAAGTGTGATCACCTCTGATGTGCAATCTGGTAGCCCT 201

Qy 358 AGTATCTTCAT 368
Db 202 TGTATCTTCAT 212

RESULT 13
US 09-362-642-5
Sequence 5, Application US/09362642
Patent No. 6350335
GENERAL INFORMATION:
APPLICANT: Bennett, Alan B.
NAME: Rose, Jocelyn K.C.
TITLE OF INVENTION: The Regents of the University of California
FILE REFERENCE: 023070-078210US
CURRENT FILING DATE: 1999-07-27
NUMBER OF SEQ ID NOS: 8
SEQ ID NO 5
LENGTH: 537
TYPE : DNA
ORGANISM: Cucumis melo
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(537)
OTHER INFORMATION: melon expansin (CmEx1) partial cdNA clone
US-09-362-642-5

Query Match Score: 6.5%; DB: 3; Length: 537;
Best Local Similarity: 52.7%; Pred. No.: 2;
Matches: 69; Conservative: 0; Mismatches: 62; Indels: 0; Gaps: 0;

QY 238 GGCTATGACTTCAGCTACAGTGGACAAACTGGCTCTAACACCAGCTGGATGCAAG 297
Db 82 GGCTATGCGTCACAACAGCTGGCTCTAACACCAGCTGGATGCAAG 141
Qy 298 GTGTTGCAACACCCGGTTGGCTCAAGTGGCTTGGTGGAAAG 357
Db 142 GTGCTTGCTTGGATCAAGTGTATAAGCCCTGATGTGCATCCGGACCT 201

QY 358 AGTATCTTCAT 368
Db 202 TGTATCTCAT 212

RESULT 14
US-09-058-389A-5
Sequence 5, Application US/09058389A
Patent No. 6130065
GENERAL INFORMATION:
APPLICANT: Belt, Judith A.
APPLICANT: Patel, Divyen
APPLICANT: Crawford, Charles R.
TITLE OF INVENTION: A NITROBENZYLMERCAPTOPURINERIBOSIDE
TITLE OF INVENTION: (NBMPR)-INSENSITIVE, EQUILIBRATIVE, NUCLEOSIDE TRANSPORT
TITLE OF INVENTION: PROTEIN, NUCLEIC ACIDS ENCODING THE SAME AND METHODS OF
TITLE OF INVENTION: USE
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
CITY: Hackensack
STATE: New Jersey
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible-PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/058,389
FILING DATE: April 9, 1998
CLASSIFICATION: 800

ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 1340-1-013N
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5600
TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 6354 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
US-09-058-389A-5

Query Match Score: 6.4%; DB: 3; Length: 6354;
Best Local Similarity: 46.4%; Pred. No. 9.4;
Matches: 103; Conservative: 0; Mismatches: 119; Indels: 0; Gaps: 0;

Qy 78 CACCAAGTGGAGTCGATTAAGTGTGATGCTCATGCAATGGCAATGAGAT 137
Db 5639 CACCTGTCGTCCTCCGGCATACGCCATGGACAGCTCACAGTCCTGGAA 5698
Qy 138 GGATGATGGGAGTCGATTAAGTGTGATGCTCATGCAATGGCAATGAGAT 197
Db 5699 GTGGATGAGTGTGGATGCTCATGAGTCGAGGGTACAGGGAGGGAGGAG 5758

Qy 198 ATATAGCAAGTGGATGCTCATGATCATGAGGGCTATGACTTCAGCTAAC 257
Db 5759 GGAGGGGGATTCAGACCCAGTGAACGGCTTCCCTCCAGTCAGTCAGTC 5818

Qy 258 TGGAAAATCTGTGCTCTAACACGCTGGATGCAAC 299
Db 5819 AACCCATCTGTGCTCTCTCTCATGGACTGG 5860

RESULT 15
US-09-611-781-5
Sequence 5, Application US/09611781
Patent No. 6423829
GENERAL INFORMATION:
APPLICANT: Belt, Judith A.
APPLICANT: Crawford, Charles R.
APPLICANT: Patel, Divyen
TITLE OF INVENTION: (NBMPR)-INSENSITIVE, EQUILIBRATIVE, NUCLEOSIDE TRANSPORT
TITLE OF INVENTION: PROTEIN, NUCLEIC ACIDS ENCODING THE SAME AND METHODS OF
TITLE OF INVENTION: USE
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
CITY: Hackensack
STATE: New Jersey
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/611,781
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/058,389
FILING DATE: April 9, 1998
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.

; REGISTRATION NUMBER: 26,742
; REFERENCE DOCSET NUMBER: 1340-1-013N
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6354 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; US-09-611-781-5

Query Match 6.4%; Score 31.6; DB 4; Length 6354;
Best Local Similarity 46.4%; Pred. No. 9, 4;
Matches 103; Conservative 0; Mismatches 119; Indels 0; Gaps 0;
Oy 78 CACCAAGTGTGTTCTCGTCACTGATTACTGTGATGATCTCATAGCAATGGCAAAGTGAGAT 137
Db 5639 CACCCATGTCGTTTCCCGCATCAAGCCATGGCATGGTACCACTCCACAGTCCTGGAA 5698
Oy 138 CGTGAATGGAGTGCAATTACAGTATGGATGGTGGTCCAGGTGTAACACCCGGTGTGAGCG 197
Db 5699 GTCGAGTGATGTCAGGGTGGAAAGACGGCAAGGGGTACAAAGGGAGACG 5758
Oy 198 ATATAGGAAGTGGATGCTCGTATACATAGAAGGGGCTATACTTCAGTACAC 257
Db 5759 GGAGAGGGAGTGGAGACCACTATGAGCTGGAGCCATTCCCTCCAGGTCAGTCTTC 5818
Oy 258 TGGACAAGACTGCTGCTCTAAACAGCTGATGGTAGTGG 299
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C	35.6	7.2	516	13	US-10-027-632-272863	Sequence 272863,
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C	35.6	7.2	8011	15	US-10-311-455-51	Sequence 51, Appli
C	35.4	7.2	2035	15	US-10-172-118-1814	Sequence 1814, Appli
C	35.4	7.2	2035	16	US-10-342-887-8184	Sequence 1814, Appli
C	35.4	7.2	2658	14	US-10-198-846-1074	Sequence 374, Appli
C	35.4	7.2	3043	14	US-10-104-47-74	Sequence 374, Appli
C	35.2	7.1	6375	15	US-10-311-455-1997	Sequence 1997, Appli
C	35.2	7.1	38342	16	US-10-221-714A-471	Sequence 471, Appli
C	34.8	7.1	179	10	US-09-382-860-43	Sequence 43, Appli

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OM nucleic - nucleic search, using sw model.

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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

SEQ ID NO: 2	SEQUENCE 2, Application US/09882434A-2	SEQUENCE 2, Application US/09882434A-2
LENGTH: 493	PATENT NO.: US2002108144A1	PATENT NO.: US2002108144A1
TYPE: DNA	GENERAL INFORMATION:	GENERAL INFORMATION:
ORGANISM: Macadamia integrifolia	APPLICANT: Green, John M.	APPLICANT: Green, John M.
FEATURE:	MANNERS, Marcus	MANNERS, Marcus
NAME/KEY: CDS	GOUITER, Kenneth C.	GOUITER, Kenneth C.
LOCATION: (70) ..(375)	FILE REFERENCE: CULLN18..1CP1C1	FILE REFERENCE: CULLN18..1CP1C1
OTHER INFORMATION: Y=t or C.	CURRENT FILING DATE: 2001-06-15	CURRENT FILING DATE: 2001-06-15
US-09-882-434A-2	PRIOR APPLICATION NUMBER: US/09/882,434A	PRIOR APPLICATION NUMBER: US/09/882,434A
US-09-882-434A-2	PRIOR FILING DATE: 1999-07-30	PRIOR FILING DATE: 1999-07-30
US-09-882-434A-2	PRIOR APPLICATION NUMBER: 09/117615	PRIOR APPLICATION NUMBER: 09/117615
US-09-882-434A-2	PRIOR FILING DATE: 1998-11-09	PRIOR FILING DATE: 1998-11-09
US-09-882-434A-2	PRIOR APPLICATION NUMBER: PCT/AU97/00052	PRIOR APPLICATION NUMBER: PCT/AU97/00052
US-09-882-434A-2	PRIOR FILING DATE: 1997-01-31	PRIOR FILING DATE: 1997-01-31
US-09-882-434A-2	NUMBER OF SEQ ID NOS: 21	NUMBER OF SEQ ID NOS: 21
US-09-882-434A-2	SOFTWARE: FastSEQ for Windows Version 4.0	SOFTWARE: FastSEQ for Windows Version 4.0

Query Match Best Local Similarity 99.9%
Pred. No. 1e-140; Length 493;

PRIOR APPLICATION NUMBER: US 60/198,676
 PRIOR FILING DATE: 2000-04-20
 PRIOR APPLICATION NUMBER: US 60/193,483
 PRIOR FILING DATE: 2000-03-29
 PRIOR APPLICATION NUMBER: US 60/185,218
 PRIOR FILING DATE: 2000-02-24
 PRIOR APPLICATION NUMBER: US 60/167,363
 PRIOR FILING DATE: 1999-11-23
 PRIOR APPLICATION NUMBER: US 60/156,358
 PRIOR FILING DATE: 1999-09-28
 PRIOR APPLICATION NUMBER: US 60/146,002
 PRIOR FILING DATE: 1999-08-09
 NUMBER OF SEQ ID NOS: 325720
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO: 272863
 LENGTH: 516
 TYPE: DNA
 ORGANISM: Human
 US 10-027-632-272863

Query Match 7.2%; Score 35.6; DB 15; Length 516;
 Best Local Similarity 50.6%; Pred. No. 3.3; Indels 0; Gaps 0;
 Matches 83; Conservative 1; Mismatches 0;

Qy 292 TCCAGTGGTTGCCACACCAAGGTTGGTCCAGTCGCCAGGGATGCCACCTTTCTGC 351
 Db 318 TTCAAGATCGTGTGGAGAACATAGAGTCCTGAGTTGACTGTGGNC 377

Qy 352 TGGAGAGATCTTCATCCATTGCTAGATTCATAACCTTGATCCATCTCTATGTT 411
 Db 378 TCAAGCCATAGCTCCATCTACTAGATGTAACTGTAACCTGGTTATGACCATCTGTAC 437

Qy 412 TTCAAGTGTATAATTAGAGATGATGGATATAATAATAA 455
 Db 438 GTCAAGTTCTTCATCAGTCAGAAATGACAGTATAATTAATGTA 481

RESULT 5
 US-10-311-455-51/c
 Sequence 51, Application US/10311455
 Publication No. US20030143606A1
 GENERAL INFORMATION:
 i APPLICANT: OLEK, Alexander
 i APPLICANT: PLEPENBOK, Christian
 i APPLICANT: BERLIN, Kurt
 i TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determination of Cytosine methylation
 i FILE REFERENCE: 5013_1014
 i CURRENT APPLICATION NUMBER: US/10/311,455
 i CURRENT FILING DATE: 2002-12-16
 i PRIOR APPLICATION NUMBER: PCT/EP01/07537
 i PRIOR FILING DATE: 2001-07-02
 i PRIOR APPLICATION NUMBER: DE 10032529.7
 i PRIOR FILING DATE: 2000-06-30
 i PRIOR APPLICATION NUMBER: DE 10043826.1
 i PRIOR FILING DATE: 2000-09-01
 i NUMBER OF SEQ ID NOS: 2424
 i SEQ ID NO: 51
 i LENGTH: 8011

Query Match 7.2%; Score 35.6; DB 15; Length 8011;
 Best Local Similarity 58.5%; Pred. No. 14; Indels 0; Gaps 0;
 Matches 62; Conservative 0; Mismatches 44;

Qy 361 ATCTTCAATCCAAATGATTCAACTCTGGATCCATCTCTATGTTTCAGTT 420
 Db 3147 ATCTAAATTACCCAAATCTACCTAAATCCAAAACCACTTCAATCTCAATA 3088

OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
 US-10-311-455-51

RESULT 6
 US-10-172-118-1814
 Sequence 1814, Application US/10172118
 i Publication No. US2003024374A1
 i GENERAL INFORMATION:
 i APPLICANT: Dai, Hongyue
 i APPLICANT: He, Yudong
 i APPLICANT: Linsley, Peter
 i APPLICANT: Mao, Mao
 i APPLICANT: Roberts, Chris
 i APPLICANT: Van 't Veer, Laura
 i APPLICANT: Van de Vijver, Marc
 i APPLICANT: Bernards, Rene
 i TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
 i FILE REFERENCE: 9301-175-999
 i CURRENT APPLICATION NUMBER: US/10/172,118
 i CURRENT FILING DATE: 2002-06-14
 i PRIOR APPLICATION NUMBER: 60/380,770
 i PRIOR FILING DATE: 2002-05-14
 i NUMBER OF SEQ ID NOS: 2699
 i SEQ ID NO: 1814
 i LENGTH: 2035
 i TYPE: DNA
 i ORGANISM: Homo sapiens
 i PUBLIC "-//IETF//DTD HTML 2.0//EN"
 i DATABASE ACCESSION NUMBER: NM_019049
 i DATABASE ENTRY DATE: 2001-06-18
 i US-10-172-118-1814

Query Match 7.2%; Score 35.4; DB 15; Length 2035;
 Best Local Similarity 55.2%; Pred. No. 7.9; Indels 0; Gaps 0;
 Matches 69; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

Qy 345 TTTCGTTGGAGGTTCTTCATCAGCTGATTCATCTGGATCCATCTGGATCCATCTGC 404
 Db 1269 TATTTGTTGAACTGCAACTCATCTATAATTTTGGATTTGAACTTTC 1328

Qy 405 TATGTTTCAAGTGTATAATTAGAGATGCTATGATGATAATAATAGTAAGCT 464
 Db 1329 TCACTTGTTGATTCATGCTGATGATGATGATGATGATGATGATGATGATGATGATC 1388

RESULT 7
 US-10-342-887-1814
 Sequence 1814, Application US/10342887
 i Publication No. US20040058340A1
 i GENERAL INFORMATION:
 i APPLICANT: Dai, Hongyue
 i APPLICANT: He, Yudong
 i APPLICANT: Linsley, Peter S.
 i APPLICANT: Mao, Mao
 i APPLICANT: Roberts, Christopher J.
 i APPLICANT: Van 't Veer, Laura Johanna
 i APPLICANT: van de Vijver, Marc J.
 i APPLICANT: Bernards, Rene
 i TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
 i FILE REFERENCE: 9301-188-999
 i CURRENT APPLICATION NUMBER: US/10/342,887
 i PRIOR APPLICATION NUMBER: 60/298,918
 i CURRENT FILING DATE: 2003-01-15
 i PRIOR FILING DATE: 2001-06-18
 i PRIOR APPLICATION NUMBER: 60/380,710
 i PRIOR FILING DATE: 2002-05-14
 i PRIOR APPLICATION NUMBER: 10/172,118

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; PRIORITY FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO: 1814
; LENGTH: 2035
; TYPE: DNA
; ORGANISM: Homo sapiens
; JS-10-342-887-1814

Query Match    7.2%;  Score 35.4;  DB 16;  Length 2035;
Best Local Similarity 55.2%;  Pred. No. 7.9;
Matches 69;  Conservative 0;  Mismatches 56;  Indels 0;  Gaps 0;
Qy   345 TTTTGGTTGGAGAGATCTCTCATCCAAATGCTAGATTCTAAACTCTGGATCCATCTTC 404
Db   - 1269 TATTTCTAGGATGCCAACATCACTATTAATTTTTGGATTTGCATTTGAAACATTTC 1328
Qy   405 TAGTTTTCAAGTGTATAATTAGAGAGTCATGGATATAAATAGTAAAGT 464
Db   1329 TCACTTGTTCAATTGGAGGATATAGCAATGATTTTAATATAAGCGGAAATTCT 1388

Qy   465 ACGGT 469
Db   1389 ACTGT 1393

RESULT 8
US-10-198-846-10674
; Sequence 10674, Application US/10198846
; Publication No. US20030099974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198, 846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 10674
; LENGTH: 2658
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 2641-, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650,
;           2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-10674

Query Match    7.2%;  Score 35.4;  DB 14;  Length 2658;
Best Local Similarity 55.2%;  Pred. No. 9.1;
Matches 69;  Conservative 0;  Mismatches 56;  Indels 0;  Gaps 0;
Qy   345 TTTTGGTTGGAGAGATCTCTCATCCAAATGCTAGATTCTAAACTCTGGATCCATCTTC 404
Db   1891 TATTTCTAGGATGCCAACATCACTATTAATTTTTGGATTTGCATTTGAAACATTTC 1950
Qy   405 TAGTTTTCAAGTGTATAATTAGAGAGTCATGGATATAAATAGTAAAGT 464
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Qy   465 ACGGT 469
Db   2011 ACTGT 2015

RESULT 9

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US-10-104-047-374 ; Sequence 374; Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
;   TITLE OF INVENTION: NO. US20030236392A1 full length cDNA
;   APPLICANT: HELIX RESEARCH INSTITUTE
;   FILE REFERENCE: H1-A0105
;   CURRENT APPLICATION NUMBER: US/10/104,047
;   CURRENT FILING DATE: 2002-03-25
;   PRIOR APPLICATION NUMBER:
;   PRIOR FILING DATE:
;   NUMBER OF SEQ ID NOS.: 4096
;   SOFTWARE: PatentIn Ver. 2.1
;   SEQ ID NO: 374
;   LENGTH: 3043
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-104-047-374

Query Match 7.2%; Score 35.4; DB 15; Length 3043;
Best Local Similarity 55.2%; Pred. No. 9.7; Missmatches 0; Indels 0; Gaps 0;
Matches 69; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

Qy 345 TTTGGTGGAAAGAGATATCTTCATCCAATGCTAGATTTCATAACTCTGGATCCATCTTC 404
Db 2293 TATTGTAGAATGGCAACTCATATTAATTTTTGAAACATTTTTC 2354
Qy 405 TAGTTTTCAAGTGTATAATTAGAGATGCTAGATATAATAAAGTAAAGCT 464
Db 2353 TCACTGTCAATTGGATATAATGAAATGCAATTGATTTAAAGCCTAATTCT 2414
Qy 465 ACGT 469
Db 2413 ACTGT 2417

RESULT 10
US-10-311-455-1997
; Sequence 1997, Application US/10311455
; Publication No. US20030144606A1
; GENERAL INFORMATION:
;   APPLICANT: OLEK, Alexander
;   APPLICANT: PLEIBENBROCK, Christian
;   APPLICANT: BERLIN, Kurt
;   TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System
;   TITLE OF INVENTION: cytokine methylation
;   FILE REFERENCE: 5013_1014
;   CURRENT APPLICATION NUMBER: US/10/311,455
;   CURRENT FILING DATE: 2002-12-16
;   PRIOR APPLICATION NUMBER: PCT/EP01/07537
;   PRIOR FILING DATE: 2001-07-02
;   PRIOR APPLICATION NUMBER: DE 10032529.7
;   PRIOR FILING DATE: 2000-06-30
;   PRIOR APPLICATION NUMBER: DE 10043826.1
;   NUMBER OF SEQ ID NOS: 2424
;   SEQ ID NO: 1997
;   LENGTH: 6375
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1997

Query Match 7.1%; Score 35.2; DB 15; Length 6375;
Best Local Similarity 55.8%; Pred. No. 1.7; Missmatches 0; Indels 0; Gaps 0;
Matches 67; Conservative 0; Mismatches 53; Indels 0; Gaps 0;

Qy 346 TTGGTTGGAAAGAGATATCTTCATCCAATGCTAGATTTCATAACTCTGGATCCATCTTC 405
Db 2241 TTTTTGGAAATTTTATTATGCGGGTTTATTATGTTTATTATGTTTATTATGTTGGA 2300
Qy 406 ATGTTTTCAAGTGTATAATTAGAGATGCTAGATATAATAAGTAAAGCTA 465

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FILE REFERENCE: 108827-129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR APPLICATION NUMBER: US/04-30
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US/60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US/60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US/60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US/60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US/60/156,358
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: US/60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows version 4.0
; SEQ ID NO: 272862
; LENGTH: 516
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-272862

Query Match Score 34.4; DB 15; Length 516;
Best Local Similarity 50.6%; Pred. No. 7; Indels 0; Gaps 0;
Matches 83; Conservative 0; Mismatches 81; Indels 0; Gaps 0;

Qy	292	TGCACTGTGTGCACACAGGTGGTCCAGGCCATGCCACCCCTTTGGT	351
Db	318	TTCAGATCAGTGTGCGAAAGGAAGTAAGCATAGCTCTGGAGTACTGCTGGTC	377
Qy	352	TGAAAGGTATCTCATCCAATGCTAGATTATAACTCTGGATCCATCTCTATGTT	411
Db	378	TCAAGCCATGGCCATGGTACTAGTGTAACCTGGTTTANGGATCTATGAC	437
Qy	412	TTCAGGTGTATAATTAGAGATGATGGATATAATAATAA	455
Db	438	GTCAGTCTTCATCATAGCTGAATGACAGTAATAACTGA	481

RESULT 15

US-10-260-238-2032/c
; Sequence 2032, Application US/10260238
; Publication No. US20040016025A1
; GENERAL INFORMATION:
; APPLICANT: Budworth, Paul R.
; APPLICANT: Moughamer, Todd G.
; APPLICANT: Briggs, Steven P.
; APPLICANT: Cooper, Bret
; APPLICANT: Gizebrook, Jane
; APPLICANT: Goff, Stephen A.
; APPLICANT: Katagiri, Fumiyo-ki
; APPLICANT: Kreps, Joel
; APPLICANT: Provar, Nicholas
; APPLICANT: Ricke, Darrell
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: PROMOTERS FOR REGULATION OF PLANT EXPRESSION
; FILE REFERENCE: 60111-1NP
; CURRENT APPLICATION NUMBER: US/10/260,238
; CURRENT FILING DATE: 2002-09-26
; PRIOR APPLICATION NUMBER: US 60/325,448
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: US 60/325,277
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: US 60/370,620
; PRIOR FILING DATE: 2002-04-04
; NUMBER OF SEQ ID NOS: 6077
; SEQ ID NO: 2032
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Oryza sativa

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OM protein - protein search, using sw model

Run on: November 5, 2004, 21:49:14 ; Search time 102 seconds

(without alignments)

353.226 Million cell updates/sec

Perfect score: US-09-882-434a-1

551

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Searched: 1566620 seqs, 353225886 residues

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Maximum DB seq length: 2000000000

Post-processing: Minimum March 0%.

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
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2	426	77.3	76	9 US-09-882-434A-15 Sequence 15, Appli
3	426	77.3	76	9 US-09-882-434A-16 Sequence 16, Appli
4	426	77.3	76	9 US-09-882-434A-17 Sequence 17, Appli
5	6	76.4	76	9 US-09-882-434A-19 Sequence 19, Appli
6	419	76.0	76	9 US-09-882-434A-18 Sequence 18, Appli
7	417	75.7	76	9 US-09-882-434A-21 Sequence 21, Appli
8	75.3	76	9 US-09-882-434A-20 Sequence 20, Appli	
9	183	33.2	116	17 US-10-425-115-251061 Sequence 251061, Appli
10	80.5	14.6	500	15 US-10-422-599-214772 Sequence 214772, Appli
11	75.5	13.7	486	9 US-09-801-368-154 Sequence 154, Appli
12	75.5	13.7	486	14 US-10-369-493-21896 Sequence 179163, Appli
13	73.5	13.3	232	15 US-10-424-599-179163 Sequence 179163, Appli

RESULT 1
US-09-882-434A-1
; Sequence 1, Application US/09882434A.
; Patent No. US20020108144A1
; GENERAL INFORMATION:
; APPLICANT: Manners, John M.
; APPLICANT: Marcus, John Paul
; APPLICANT: Goulier, Kenneth C.
; APPLICANT: Green, Jodie Lyn
; TITLE OF INVENTION: ANTI-MICROBIAL PROTEIN
; FILE REFERENCE: CULIN18.ICP1C1
; CURRENT APPLICATION NUMBER: US/09-882, 434A
; CURRENT FILING DATE: 2001-06-15
; PRIORITY APPLICATION NUMBER: 09/364395
; PRIOR FILING DATE: 1999-07-30
; PRIORITY NUMBER: 09/117615
; PRIORITY NUMBER: PCT/AU97/00052
; PRIORITY NUMBER: AU FN 7802
; PRIORITY NUMBER: SEQ ID NO: 21
; PRIORITY NUMBER: NO 1
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Macadamia integrifolia
US-09-882-434A-1

Query Match Score 100.0%; Score 551; DB 9; Length 102;
Best Local Similarity 100.0%; Mismatches 0; Pred. No. 7.5e-56;
Matches 102; Conservative 0; Gaps 0;

QY 1 MASTKLFFSVITYMMILAMASEMVNGSAFTVNSGPQCNRAERYRSKGCSAITHOKGSDF 60
Db 1 MASTKLFFSVITYMMILAMASEMVNGSAFTVNSGPQCNRAERYRSKGCSAITHOKGSDF 60

Qy 61 SYTGOTALYNOAGGSGVAHTRFGSSARACNPFCKSIFTQC 102
 Db 61 SYTGOTALYNOAGGSGVAHTRFGSSARACNPFCKSIFTQC 102

RESULT 2
 US-09-882-434A-15
 Sequence 15, Application US/09882434A
 GENERAL INFORMATION:
 APPLICANT: Marcus, John M.
 APPLICANT: Goultier, Kenneth C.
 APPLICANT: Green, Jodie Lyn
 TITLE OF INVENTION: ANTI-MICROBIAL PROTEIN
 FILE REFERENCE: CULLIN18-1CP1C1
 CURRENT APPLICATION NUMBER: US/09/882,434A
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 09/364395
 PRIOR FILING DATE: 1999-07-30
 PRIOR APPLICATION NUMBER: PCT/AU97/00052
 PRIOR FILING DATE: 1998-11-09
 PRIOR APPLICATION NUMBER: AU PN 7802
 PRIOR FILING DATE: 1997-01-31
 NUMBER OF SEQ ID NOS: 21
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 15
 LENGTH: 76
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Mi28K variant. Variant MiAMP1 protein Mi28K
 OTHER INFORMATION: containing a Lysine at amino acid 28 (used primer)
 OTHER INFORMATION: from SEQ ID NO:8 to produce).

US-09-882-434A-15

Query Match 77.3%; Score 426; DB 9; Length 76;
 Best Local Similarity 98.7%; Pred. No. 1.6e-41;
 Matches 75; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 27 SAFTWSPGCGNNRAERYSKCGCSAITHQKGGYDFSYTGQTAALYNOAGGSGVAHTRFGSS 86
 Db 1 SAFTWSPGCGNNRAERYSKCGCSAITHQKGGYDFSYTGQTAALYNOAGGSGVAHTRFGSS 60

Qy 87 ARACNPFGKSFIFQC 102
 Db 61 ARACNPFGKSFIFQC 76

RESULT 3
 US-09-882-434A-16
 Sequence 16, Application US/09882434A
 GENERAL INFORMATION:
 APPLICANT: Marcus, John M.
 APPLICANT: Goultier, Kenneth C.
 APPLICANT: Green, Jodie Lyn
 TITLE OF INVENTION: ANTI-MICROBIAL PROTEIN
 FILE REFERENCE: CULLIN18-1CP1C1
 CURRENT APPLICATION NUMBER: US/09/882,434A
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 09/364395
 PRIOR FILING DATE: 1999-07-30
 PRIOR APPLICATION NUMBER: PCT/AU97/00052
 PRIOR FILING DATE: 1997-01-31
 NUMBER OF SEQ ID NOS: 21
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 17
 LENGTH: 76
 TYPE: PRT
 ORGANISM: Artificial Sequence

FEATURE:
 OTHER INFORMATION: Mi46K variant. Variant MiAMP1 protein Mi46K
 OTHER INFORMATION: containing a Lysine at amino acid 46 (used primer)
 OTHER INFORMATION: from SEQ ID NO:10 to produce).

US-09-882-434A-17

Query Match 77.3%; Score 426; DB 9; Length 76;
 Best Local Similarity 98.7%; Pred. No. 1.6e-41;
 Matches 75; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 27 SAFTWSPGCGNNRAERYSKCGCSAITHQKGGYDFSYTGQTAALYNOAGGSGVAHTRFGSS 86
 Db 1 SAFTWSPGCGNNRAERYSKCGCSAITHQKGGYDFSYTGQTAALYNOAGGSGVAHTRFGSS 60

Qy 87 ARACNPFGKSFIFQC 102
 Db 61 ARACNPFGKSFIFQC 76

RESULT 5
 US-09-882-434A-19

Sequence 19, Application US/09882434A
 Patent No. US20020108144A1
 GENERAL INFORMATION:
 APPLICANT: Manners, John M.
 APPLICANT: Marcus, John Paul
 APPLICANT: Gouler, Kenneth C.
 APPLICANT: Green, Jodie Lynn
 TITLE OF INVENTION: ANTI-MICROBIAL PROTEIN
 FILE REFERENCE: CUL1N18.1CP1C1
 CURRENT APPLICATION NUMBER: US/09/882,434A
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 09/364395
 PRIOR FILING DATE: 1999-07-30
 PRIOR APPLICATION NUMBER: 09/117615
 PRIOR FILING DATE: 1998-11-09
 PRIOR APPLICATION NUMBER: PCT/AU97/00052
 PRIOR FILING DATE: 1997-01-31
 PRIOR APPLICATION NUMBER: AU PN 7802
 NUMBER OF SEQ ID NOS: 21
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 19
 LENGTH: 76
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Mi54K variant. Variant MiAMP1 protein Mi54K
 OTHER INFORMATION: containing a Lysine at amino acid 54 (used primer
 OTHER INFORMATION: from SEQ ID NO:12 to produce).
 US-09-882-434A-19

Query Match Score 421; DB 9; Length 76;
 Best Local Similarity 98.7%; Pred. No. 6.1e-41; Indels 0; Gaps 0;
 Matches 75; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 27 SAFTVWSGPCCNNRAEYRSKGCSAITHQKGGYDFSYTGQTAALYNQAGCSGVAHTRGSS 86
 Db 1 SAFTVWSGPCCNNRAEYRSKGCSAITHQKGGYDFSYTGQTAALYNQAGCSGVAHTRGSS 60

Qy 87 ARACNPGWKSIFIQC 102
 Db 61 ARACNPGWKSIFIQC 76

RESULT 6
 US-09-882-434A-18
 Sequence 18, Application US/09882434A
 Patent No. US20020108144A1
 GENERAL INFORMATION:
 APPLICANT: Manners, John M.
 APPLICANT: Marcus, John Paul
 APPLICANT: Gouler, Kenneth C.
 APPLICANT: Green, Jodie Lynn
 TITLE OF INVENTION: ANTI-MICROBIAL PROTEIN
 FILE REFERENCE: CUL1N18.1CP1C1
 CURRENT APPLICATION NUMBER: US/09/882,434A
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 09/364395
 PRIOR FILING DATE: 1999-07-30
 PRIOR APPLICATION NUMBER: PCT/AU97/00052
 PRIOR FILING DATE: 1997-01-31
 PRIOR APPLICATION NUMBER: AU PN 7802
 NUMBER OF SEQ ID NOS: 21
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 21
 LENGTH: 76
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Mi46K/54K variant. Variant MiAMP1 protein
 OTHER INFORMATION: Mi46K/54K containing a Lysine at amino acid 46 and
 OTHER INFORMATION: a Lysine at amino acid 54.
 US-09-882-434A-21

Query Match Score 417; DB 9; Length 76;
 Best Local Similarity 97.4%; Pred. No. 1.8e-40; Indels 0; Gaps 0;
 Matches 74; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 27 SAFTVWSGPCCNNRAEYRSKGCSAITHQKGGYDFSYTGQTAALYNQAGCSGVAHTRGSS 86
 Db 1 SAFTVWSGPCCNNRAEYRSKGCSAITHQKGGYDFSYTGQTAALYNQAGCSGVAHTRGSS 60

Qy 87 ARACNPGWKSIFIQC 102
 Db 61 ARACNPGWKSIFIQC 76

RESULT 8
 US-09-882-434A-20
 Sequence 20, Application US/09882434A
 Patent No. US20020108144A1
 GENERAL INFORMATION:
 APPLICANT: Manners, John M.
 APPLICANT: Marcus, John Paul
 APPLICANT: Gouler, Kenneth C.
 APPLICANT: Green, Jodie Lynn
 TITLE OF INVENTION: ANTI-MICROBIAL PROTEIN
 OTHER INFORMATION: Mi54V variant. Variant MiAMP1 protein Mi54V

```

FILE REFERENCE: CULLN18.1CP1C1
CURRENT APPLICATION NUMBER: US/09/882,434A
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 09/364395
PRIOR FILING DATE: 1999-07-00
PRIOR APPLICATION NUMBER: 09/117615
PRIOR FILING DATE: 1998-11-09
PRIOR APPLICATION NUMBER: PCT/AU97/00052
PRIOR FILING DATE: 1997-01-31
PRIOR APPLICATION NUMBER: AU PN 7802
PRIOR FILING DATE: 1996-01-31
NUMBER OF SEQ ID NOS: 21
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 20
LENGTH: 76
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
; OTHER INFORMATION: Mi46M/54V variant. Variant MiAMP1 protein
; OTHER INFORMATION: Mi44K/54V containing a Lysine at amino acid 46 and
; OTHER INFORMATION: A Valine at amino acid 54.
US-09-882-434-A-20

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Query	Match	Score	Length
Query	Match	75.3%	415;
Best local	Similarity	97.4%	DB 9;
Matches	Conservative	1;	Pred. No. 3e-40;
	Mismatches	1;	No. 3e-40;
	Indels	0;	Gaps 0
Qy	27 SAFTYWSGCGCNNRAERYSKCGCSAIHQGGYDFSYTGTAAINYQAGCSGVAVTRFGSS	86	
Db	1 SAFTYWSGCGCNNRAERYSKCGCSAIHQGGYDFSYTGTAAINYQAGCSGVAVTRFGSS	60	
Qy	87 ARACNPFGKSFIFLQC	102	
Db	61 ARACNPFGKSFIFLQC	76	

RESULT 9
US-10-425-115-251061
Sequence 251061, Application US/10425115
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovacic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants
FILE REFERENCE: 38-21(53222) B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 3 69326
SEQ ID NO 251061
LENGTH: 116
TYPE: PRT
ORGANISM: Zea mays

US-10-424-599-214772 Application US/10424599
Publication No. US2010040031072A1
GENERAL INFORMATION
APPLICANT: La Rosa, Thomas J
APPLICANT: Kovalac, David K
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Mo
TITLE OF INVENTION: Plants and Uses Th
FILE REFERENCE: 38-21 (53223) B
CURRENT APPLICATION NUMBER: US/10/424,5
CURRENT FILING DATE: 2003-04-28
NUMBER OF SBQ ID NOS: 285684
SEQ ID NO: 214772
LENGTH: 500
TYPE: PRT
ORGANISM: Glycine max
FEATURE:
NAME/KEY: unsure
LOCATION: (1) . . . (500)
OTHER INFORMATION: unsure at all Xaa L
DRAFTED

OTHER INFORMATION: Clone ID: PAI_MKR1384_35980..pep					
JS-10-424-599-214772	Query	Match	Score	Length	
	Best Local Similarity	14.6%	Score 80.5;	DB 15;	Length 500;
	Matches	29.3%;	Pred. No. 1.3;		
	24; Conservative	8; Mismatches	19;	Indels 31;	Gaps
Py	34 GPGCNRRAERYSTKCGCSA1THKGCG-----YDFSYTGQTAALYNQAGCCS-----GVAHTR 82				
Py	145 GSSGRG-----GCRVYHASNGVRSAVEFGH-----LHSIA-CSCFGVXCGIKSKR 18				
Py	83 FGSSARACNPFGMK--SIPIQC 102				
Py	190 FG----KITKRPITWKGDTLMC 208				

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RESULT 11
; Sequence 154, Application US/09801368
; Patent No. US20020128250A1

; GENERAL INFORMATION:
; APPLICANT: Busby, Robert
; APPLICANT: Cali, Brian
; APPLICANT: Hecht, Peter
; APPLICANT: Holtzman, Doug
; APPLICANT: Madden, Kevin
; APPLICANT: Maxon, Mary
; APPLICANT: Milne, Todd
; APPLICANT: No. US20020128250A1man, Thea
; APPLICANT: Royer, John
; APPLICANT: Salama, Sofie
; APPLICANT: Sherman, Amir
; APPLICANT: Silva, Jeff
; APPLICANT: Summers, Eric

; TITLE OF INVENTION: Methods for Improving Secondary Metabolite Production in Fungi
; FILE REFERENCE: 109272-147
; CURRENT APPLICATION NUMBER: US/09/801,368
; CURRENT FILING DATE: 2001-03-07
; PRIOR APPLICATION NUMBER: US 09/487,558
; PRIOR FILING DATE: 2000-01-19
; PRIOR APPLICATION NUMBER: US 60/160,587
; PRIOR FILING DATE: 1999-10-20
; NUMBER OF SEQ ID NOS: 440
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO: 154
; LENGTH: 486
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
; - 09-901-368-154

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Query Match 13.7%; Score 75.5; DB 9; Length 486;
 Best Local Similarity 30.2%; Pred. No. 4.8;
 Matches 29; Conservative 9; Mismatches 27; Indels 31; Gaps 6;

Qy 8 FSVITMM--LIAMASEMVGSAFTIVWSPGCGNNRAERYSKCGSSAIHOKGGDFSYTG 64
 Db 369 FGINTIVQERKLRLSELIGA-----RAARLUSVCGTAAICQKRGTK--TG 412

Qy 65 QTAALYNAQAGSGVVAHTRF-GSSARACNP----FGW 95
 Db 413 HIAA-----DGSVVNRYPQFKEKAANALKDIYW 441

RESULT 12
 US-10-369-493-21896
 ; Sequence 21896, Application US/10369493
 ; Publication No. US20030233675A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cao, Yongwei
 ; ATTORNEY OR AGENT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Goldman, Barry S.
 ; APPLICANT: Chen, Xianfeng
 ; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF PLANTS WITH IMPROVED PROPERTIES
 ; FILE REFERENCE: 38-10(52052) B
 ; CURRENT APPLICATION NUMBER: US/10/369,493
 ; CURRENT FILING DATE: 2003-02-28
 ; PRIOR APPLICATION NUMBER: US 60/360,039
 ; PRIOR FILING DATE: 2002-02-21
 ; NUMBER OF SEQ ID NOS: 47374
 ; SEQ ID NO: 21896
 ; LENGTH: 486
 ; TYPE: PRT
 ; ORGANISM: Saccharomyces cerevisiae
 ; SEQ ID NO: 10-369-493-21896

Query Match 13.7%; Score 75.5; DB 14; Length 486;
 Best Local Similarity 30.2%; Pred. No. 4.8;
 Matches 29; Conservative 9; Mismatches 27; Indels 31; Gaps 6;

Qy 8 FSVITMM--LIAMASEMVGSAFTIVWSPGCGNNRAERYSKCGSSAIHOKGGDFSYTG 64
 Db 369 FGINTIVQERKLRLSELIGA-----RAARLUSVCGTAAICQKRGTK--TG 412

Qy 65 QTAALYNAQAGSGVVAHTRF-GSSARACNP----FGW 95
 Db 413 HIAA-----DGSVVNRYPQFKEKAANALKDIYW 441

RESULT 13
 US-10-424-599-179163
 ; Sequence 179163, Application US/10424599
 ; Publication No. US20040031072A1
 ; GENERAL INFORMATION:
 ; APPLICANT: La Rosa, Thomas J
 ; APPLICANT: Kovalic, David K
 ; APPLICANT: Zhou, Yihua
 ; ATTORNEY OR AGENT: Cao, Yongwei
 ; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof for Plant Improvement
 ; FILE REFERENCE: 38-21(5322) B
 ; CURRENT APPLICATION NUMBER: US/10/424,599
 ; CURRENT FILING DATE: 2003-04-28
 ; NUMBER OF SEQ ID NOS: 285684
 ; LENGTH: 232
 ; TYPE: PRT
 ; ORGANISM: Glycine max
 ; PEATURE: OTHER INFORMATION: Clone ID: PAT_MRT3847_132800C.1.pep
 ; SEQ ID NO: 10-424-599-179163

Query Match 13.3%; Score 73.5; DB 15; Length 232;
 Best Local Similarity 22.3%; Pred. No. 3.6;
 Matches 27; Conservative 14; Mismatches 27; Indels 53; Gaps 5;

Qy 8 FSVITMMJAMAS-----EMVNGSAFTIVWSPGCGNNRAERYSKCGSSAIHOKGGDFSYTG 64
 Db 2 YSLISQMVLALCSLTALPLATHAANFEVNCPTVWAASPGGGLDR-----55

Qy 50 SAIHOKGGDFSYTG-----AAYINQOGC---SGVHTRFESSARACNPFG 94
 Db 56 -----GOTWNLWVNPPGTAMARIWGRGRGQTGDCTGGLNCQG 101

Qy 95 W 95
 Db 102 W 102

RESULT 14
 US-10-437-963-184834
 ; Sequence 184834, Application US/10437963
 ; Publication No. US2004012343A1
 ; GENERAL INFORMATION:
 ; APPLICANT: La Rosa, Thomas J.
 ; ATTORNEY OR AGENT: Kovacic, David K.
 ; APPLICANT: Zhou, Yihua
 ; ATTORNEY OR AGENT: Cao, Yongwei
 ; APPLICANT: Wu, Wei
 ; ATTORNEY OR AGENT: Boukharov, Andrey A.
 ; APPLICANT: Barbazuk, Brad
 ; APPLICANT: Li, Ping
 ; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With Plants and Uses Thereof for Plant Improvement
 ; FILE REFERENCE: 38-21(5322) B
 ; CURRENT APPLICATION NUMBER: US/10/437,963
 ; CURRENT FILING DATE: 2003-05-14
 ; NUMBER OF SEQ ID NOS: 204966
 ; SEQ ID NO: 184834
 ; LENGTH: 92
 ; TYPE: PRT
 ; ORGANISM: Oryza sativa
 ; FEATURE:
 ; OTHER INFORMATION: Clone ID: PAT_MRT4530_8178C.1.pep
 ; SEQ ID NO: 184834

Query Match 13.2%; Score 73; DB 16; Length 92;
 Best Local Similarity 32.8%; Pred. No. 1.5;
 Matches 21; Conservative 5; Mismatches 16; Indels 22; Gaps 3;

Qy 31 VWSG---PGCNR--AERYSKCGGSAIHOKGGDFSYTGQTAALYNQAGCSCGYAHTRFG 84
 Db 19 VWSGSRTPVCSNSVHVEDAACGHAIRRFRGRD-----AGTHRGFG 62

Qy 85 SSAR 88
 Db 63 HDAR 66

RESULT 15
 US-10-156-761-10129
 ; Sequence 10129, Application US/10156761
 ; Publication No. US20030119018A1
 ; GENERAL INFORMATION:
 ; APPLICANT: OMURA, SATOSHI
 ; ATTORNEY OR AGENT: IKEDA, HARUO
 ; APPLICANT: ISHIKAWA, JUN
 ; APPLICANT: HORIKAWA, HIROSHI
 ; APPLICANT: SHIBA, TADAYOSHI
 ; APPLICANT: SAKAKI, YOSHIOUKI
 ; ATTORNEY OR AGENT: HATORI, MASAFIRA
 ; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
 ; FILE REFERENCE: 249-162
 ; CURRENT APPLICATION NUMBER: US/10/156,761
 ; CURRENT FILING DATE: 2002-05-29

